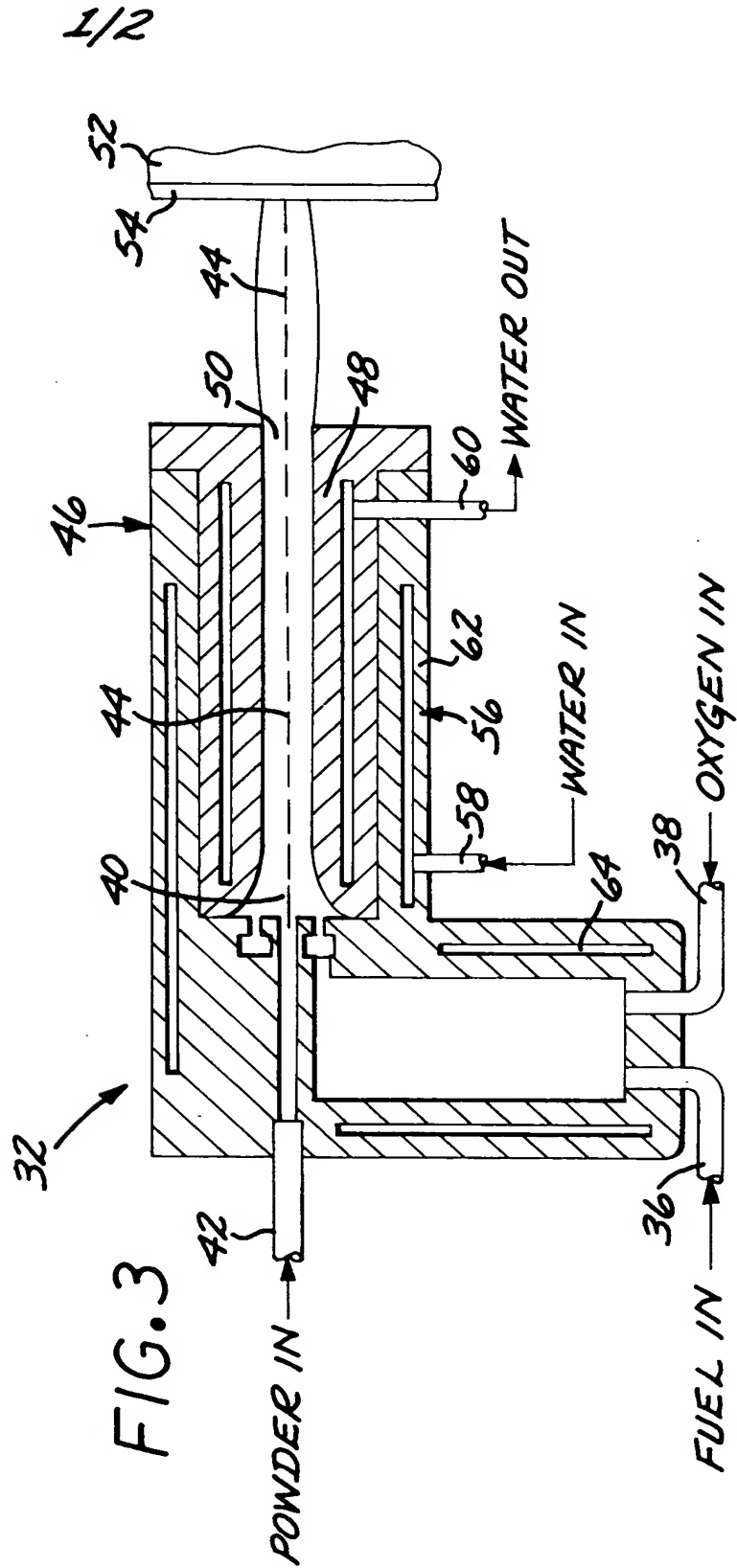
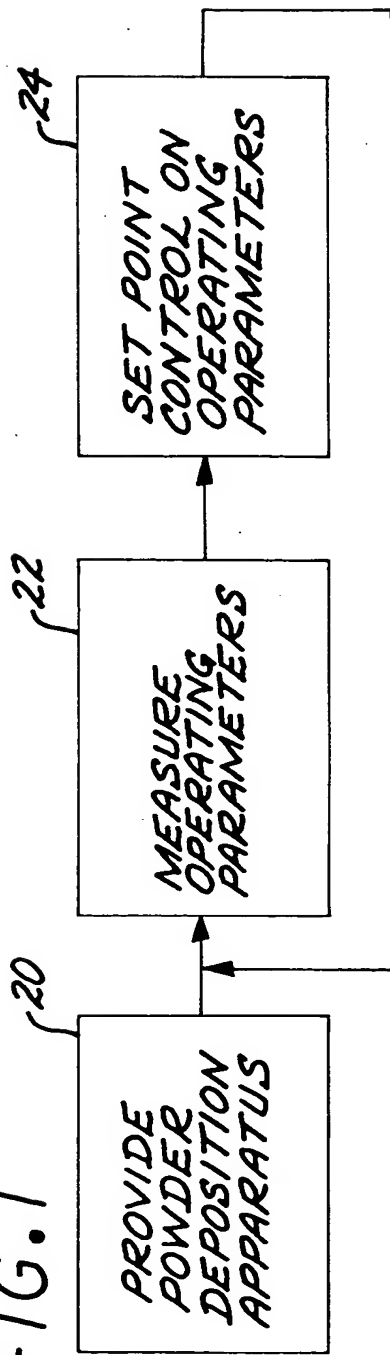


FIG. 1



**FIG. 2**

The diagram illustrates a deposition system. At the top, a **ROBOTIC HEAD** (68) is shown with a nozzle assembly (32, 36, 38, 42, 52, 54, 58, 60, 66) that deposits material. Below the head, four controllers are arranged horizontally: **POWDER CONTROLLER** (100), **FUEL CONTROLLER** (80), **OXYGEN CONTROLLER** (90), and **WATER CONTROLLER** (110). These controllers are part of a larger **DEPOSITION CONTROLLER** block. Each controller has a **SET POINT** input (106, 86, 96, 116) and a **CONTROL** output (102, 82, 92, 112). The **POWDER CONTROLLER** also receives **POWDER** (100) and **CARRIER GAS** inputs. The **FUEL CONTROLLER** receives **FUEL** (80). The **OXYGEN CONTROLLER** receives **OXYGEN** (90). The **WATER CONTROLLER** receives **WATER** (112) and is connected to a **HEAT EXCHANGER** (120) which also receives **COOLING WATER** (118). The **DEPOSITION CONTROLLER** block is connected to the **ROBOTIC HEAD** via a line (70).

